



FRP SOLUTIONS

(Fiber Reinforced Polymer)

New Age Material.
New Age Strength



Your **Trusted Partner** in FRP Composite Infrastructure



Aerospace & Defense



Petrochemical
& Refineries



Thermal
Power Plants



Paper & Pulp



Chemical & Pharma



Renewable Industry



Airports & Ports



Architectural
Applications



Onshore &
Offshore



Power &
Transmission



Engineering



Fertilizer

Advantages of FRP Poles

Built for Demanding Infrastructure.

Our FRP poles combine advanced composite engineering with long-term durability, making them the ideal alternative to steel, concrete, and timber in demanding environments.



70% Lighter

Easier transport & installation



Corrosion Resistant

Ideal for coastal & chemical zones



Non-Conductive

Safer utility infrastructure



Lowest Life-Cycle Cost

Minimal maintenance over decades



Advantages of Fiberglass

Why Fiberglass Is the Preferred Choice Across Industries

- ✓ Corrosion / Chemical Resistance

✓ EMI / RFI Transparent

✓ Lightweight

✓ Thermal Non-Conductivity

✓ Electrical Non-Conductivity

✓ Easy Fabrication & Transport
- ✓ Flame Retardant

✓ Termite Proof

✓ Less Environmental Impact

✓ Low Cost, Longer Life

✓ High Strength



Product Matrix

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FRP Cylindrical Poles

FRP Poles meet the highest international standards for their high strength, corrosion resistance, UV resistance, mechanical strength, long life and safety. Fiberglass Poles are typically 40 to 50% lighter than steel poles and wood poles which make FRP Poles easier to handle, installation and reduced work time.



Features

- Low transportation cost with ease of installation at very cheaper cost.
- Zero maintenance for FRP Lighting pole.
- Fire retardant property make it ideal for electrical installations.
- Corrosion resistance so it can provide long life & suitable for chemical zones and coastal areas.
- Saves human life in case of road accidents.
- Safe (non-conductive electrically).
- Direct burial.

Applications & Deployment

✓ Telecom Infrastrcture

✓ Street, Road & Highways

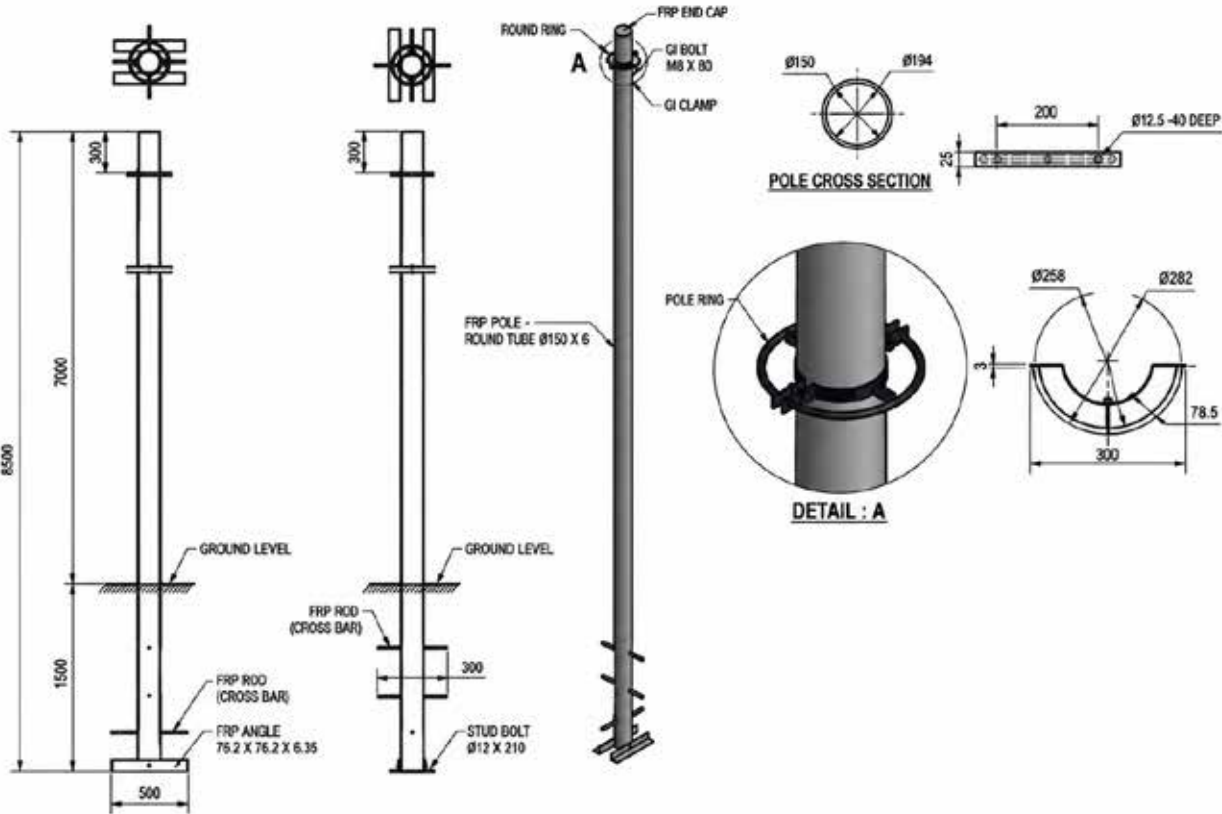
✓ Chemical & Refinery Plants

✓ Industrial & Residential Spaces

✓ Parks

✓ Street Lighting

FRP Cylindrical Poles	
Dimensions (L × D × T)	Customised
OD Sizes	75 / 100 / 150 / 200 mm
Thickness	Upto 10 mm
Length	Upto 10 Meter
Material	Isophthalic + Glass Fibre Roaming + Glass Fabric
Finish	RAL7035 or Client Specific
Standards	As per ASTM
Process	Pultruded Profiles



Fiberglass Cable Management

Our fiberglass product range covers everything from cable management and flooring systems to roofing, motor protection, handrails, walkways, and structural accessories. Each product is manufactured using high-quality resin systems — polyester, vinyl ester, or phenolic — reinforced with glass fibre, and engineered to outperform conventional materials in demanding industrial environments. All fiberglass products offer the core advantages of FRP: 100% corrosion resistance, light weight, electrical non-conductivity, flame retardancy, low life cycle cost, and ease of fabrication and installation.



Fiberglass Cable Trays



Ladder Type Cable Tray

High strength and ideal for heavy cable loads.



Perforated Type Cable Tray

Better ventilation and cable support.

Accessories

A complete range of accessories for seamless installation and customization.

Standard followed: NEMA FG-1



Fiberglass Molded Gratings

Molded gratings are recognised for their tremendous strength, extreme corrosion resistance, extended life, and safety. Our gratings are designed to outperform the conventional materials they are intended to replace, providing many years of dependable operation.

Gratings comply with the requirements outlined by the FGMC of the ACMA (American Composite Manufacturing Association).



Fiberglass Pultruded Gratings

Pultruded gratings are renowned for their extreme strength, resistance to corrosion, long lifespan, and safety in even the most hazardous environments. These also follow the strict international guidelines. They are constructed from interlocking pultruded profiles.

Gratings comply with the requirements outlined by the FGMC of the ACMA (American Composite Manufacturing Association).



Fiberglass Handrail & Stairway

Byteworx provides a variety of handrail & stair solutions that adhere to the strictest safety standards. We offer solutions using grip-enhancing treads, covered treads ergonomic handrails, etc.

Customised Handrail Solution for Rooftop Solar also available.



Fiberglass Structural Profiles

GRP/FRP structural pultruded profiles are continuously manufactured using a resin matrix and fiber reinforcement, delivering exceptional strength, durability, and resilience.

Available in a wide range of shapes and profiles:

- ☒ C/U Channel
- ☒ Round Tube
- ☒ Rod
- ☒ I-Beam
- ☒ Square Box
- ☒ Hand Rail
- ☒ H-Beam
- ☒ Angle
- ☒ Deck panels



Fiberglass Walkway & MMS for Solar

FRP Walkways are the most preferred walkway in Solar Industry due to its light weight nature and high durability in sun exposure. FRP MMS is suitable for harsh environments with C4/C5 corrosion classifications. Hybrid MMS designs are also available



Fiberglass Roofing Sheet

It is preferable over steel in many key industries because it is lightweight, simple to assemble and install, long life, corrosion free and is more affordable. Most importantly temperature inside the shed reduces by 4-7 Deg. C as compared to conventional roofing material.



FRP Canopies

Canopies shield equipment from debris, harsh sunshine, rain, and other elements while also guaranteeing the required safety precautions. For electrical motors, instrumentation devices, junction boxes, field communication devices, etc., we offer customized canopies.



Fiberglass Poles, Signage & Masts

FRP/GRP poles provide a solution to common issues and are suitable for use in environments where poles made of conventional materials have substantial corrosion issues, such as coastal areas, chemical zones, marshlands, and regions with significant temperature swings.



Fiberglass Cable Spacer Clamps

Spacer Clamps are widely used in power transmission, power, Renewable Industries. These Clamps are designed to match customised requirements. These Clamps reduce Eddy Current losses and Heat generation.





Let's Build What's Next,
Together...



BYTEWORXTM
Connectivity, Simplified

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